

SYSTEMS AND METHODS FOR MAPPING API CALLS

Jerry A. Waldorf

Appl. No.: Unknown Atty Docket: SOFTECP.080A

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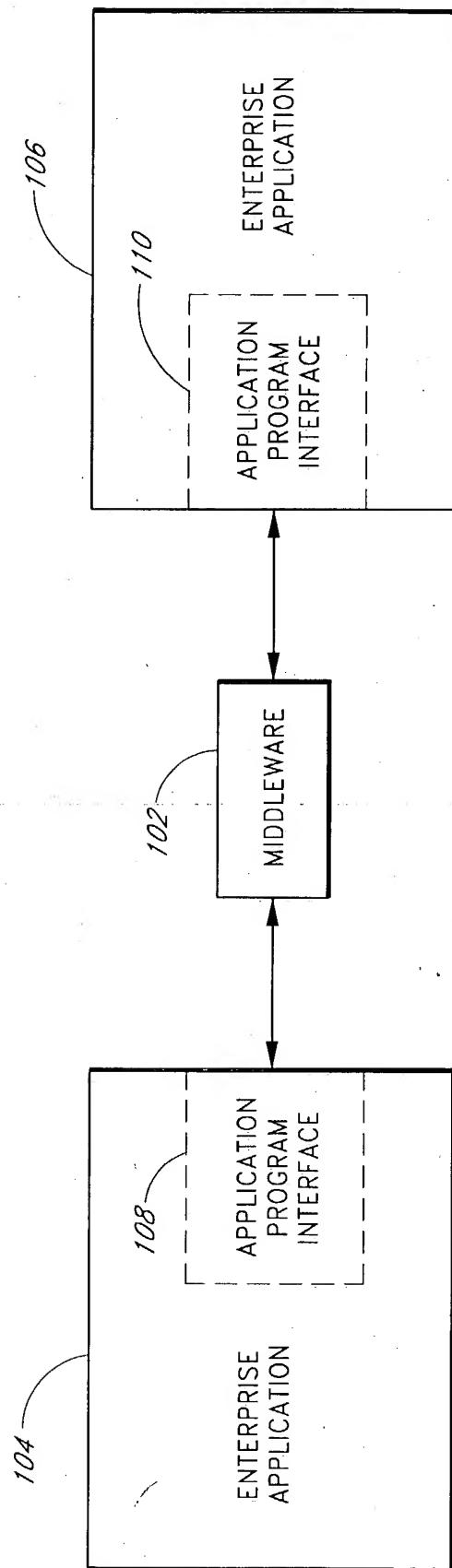


FIG. 1A

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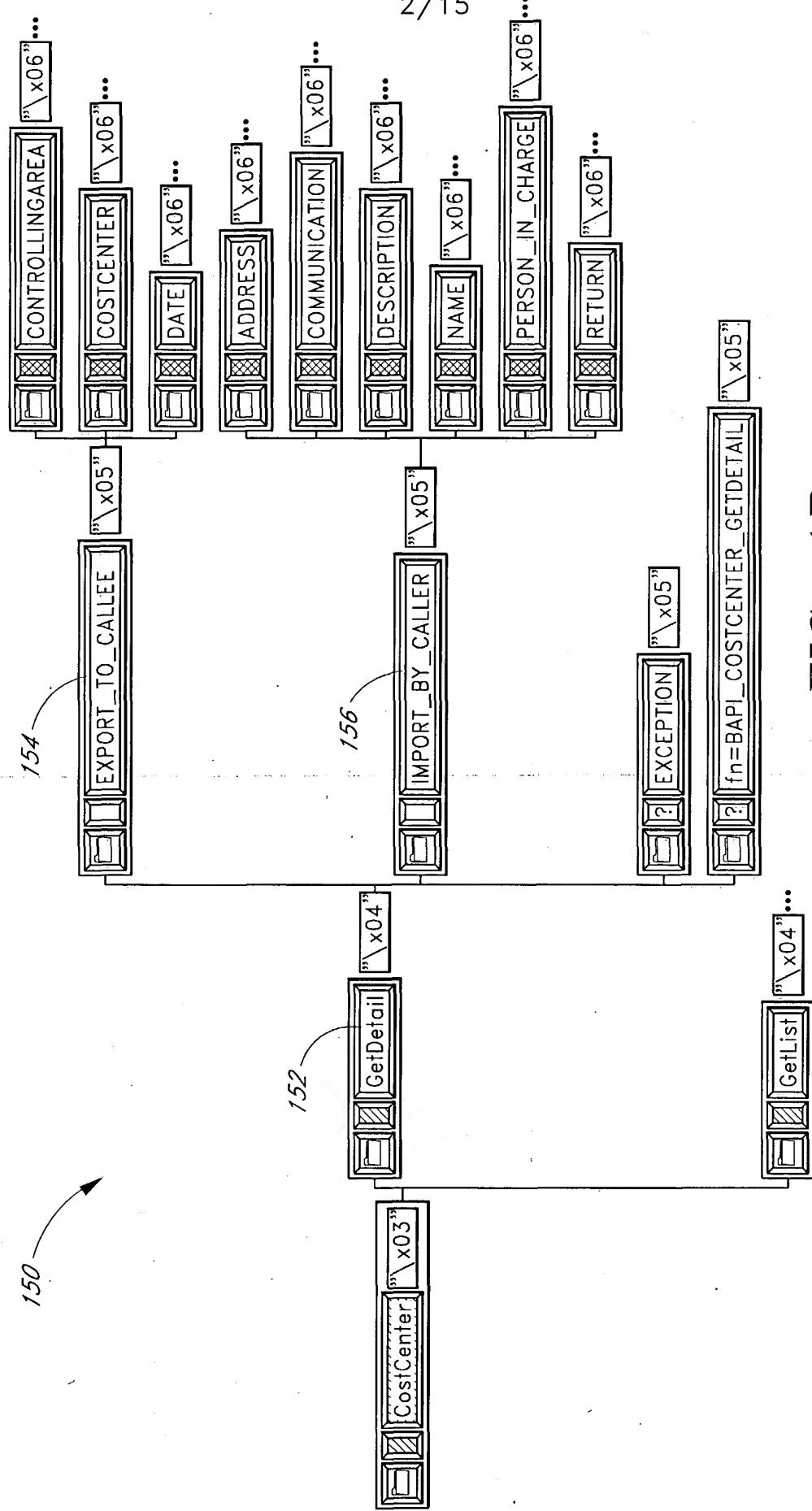


FIG. 1B
(PRIOR ART)

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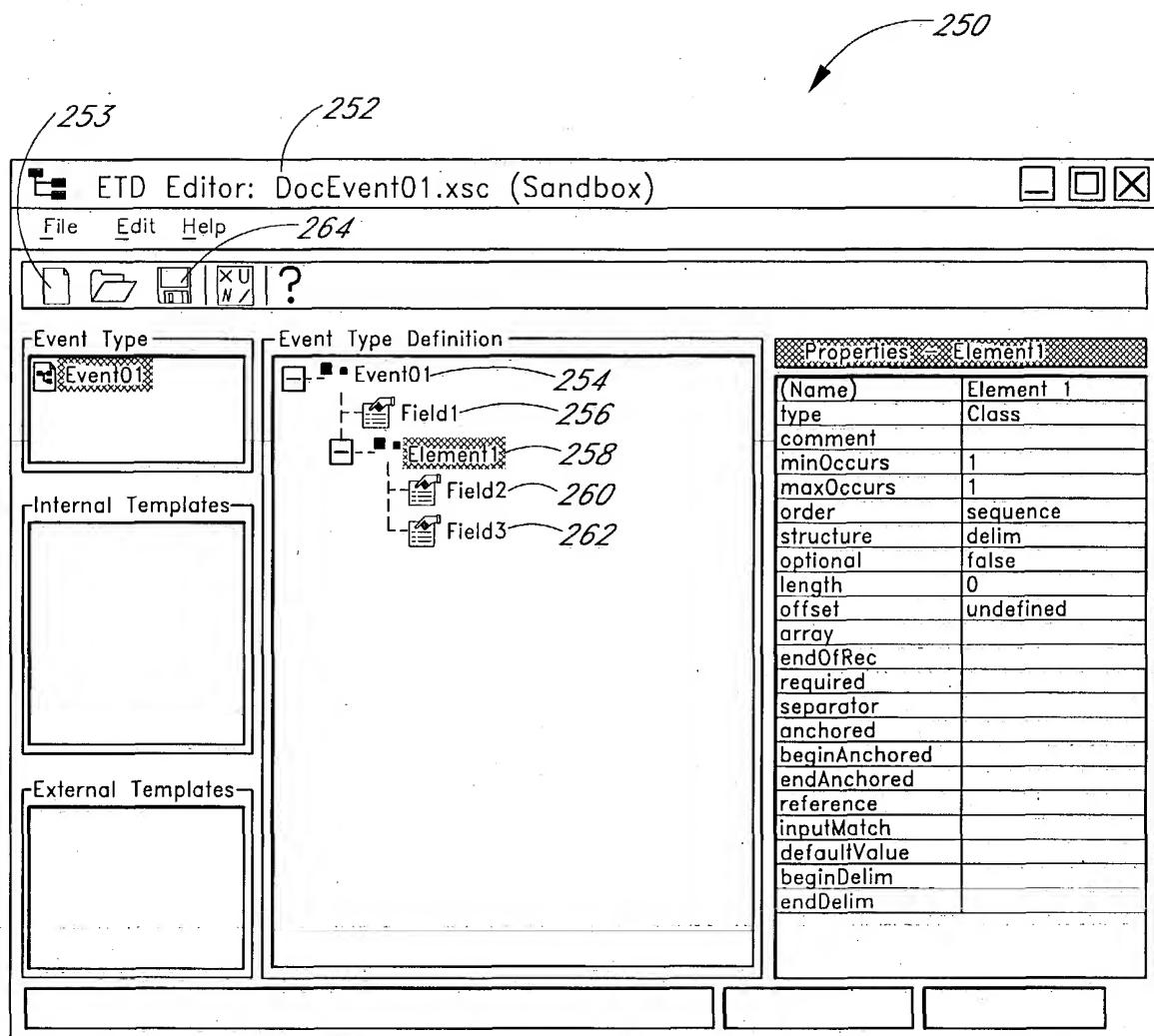


FIG. 2A

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200

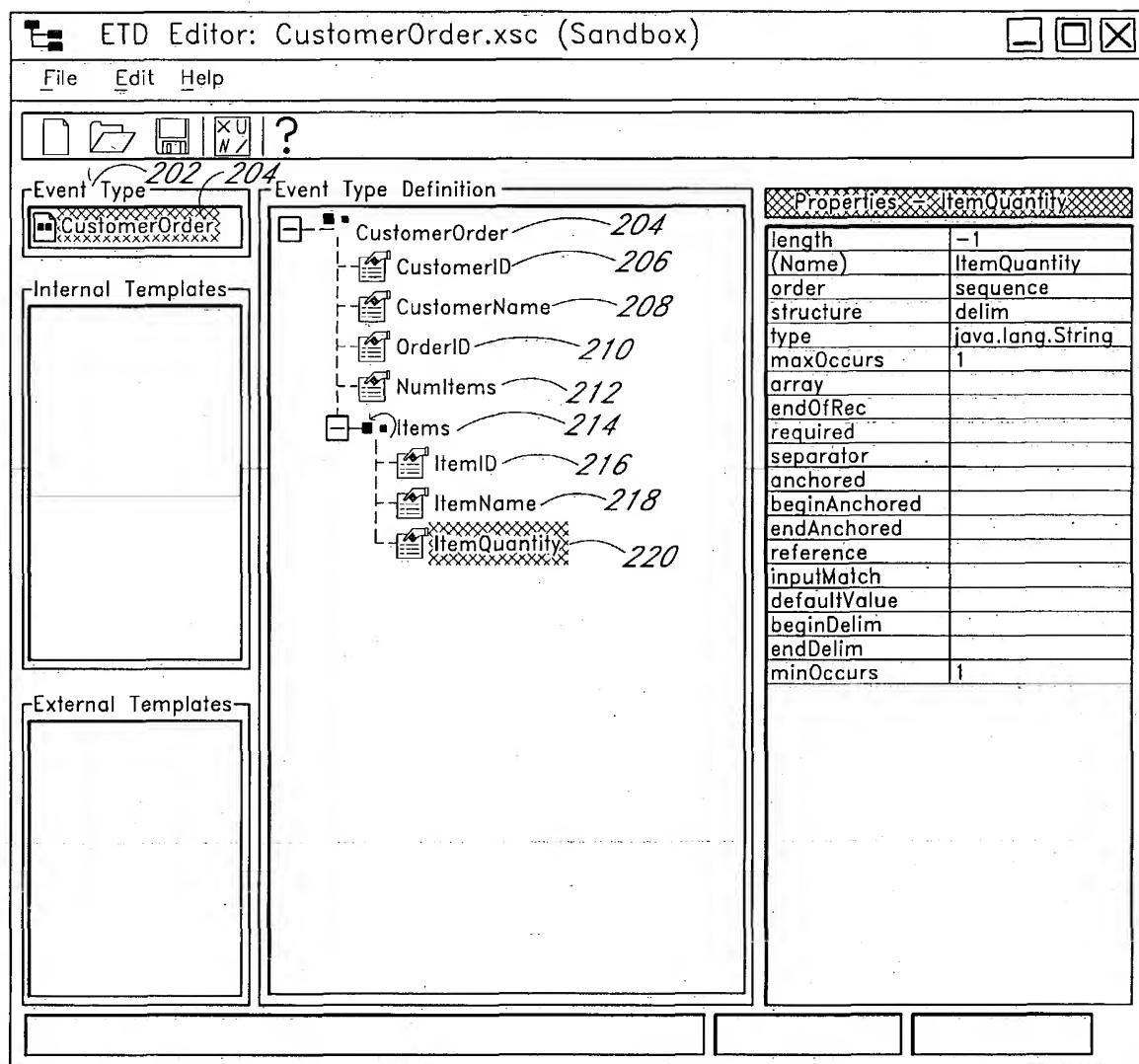


FIG. 2B

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300

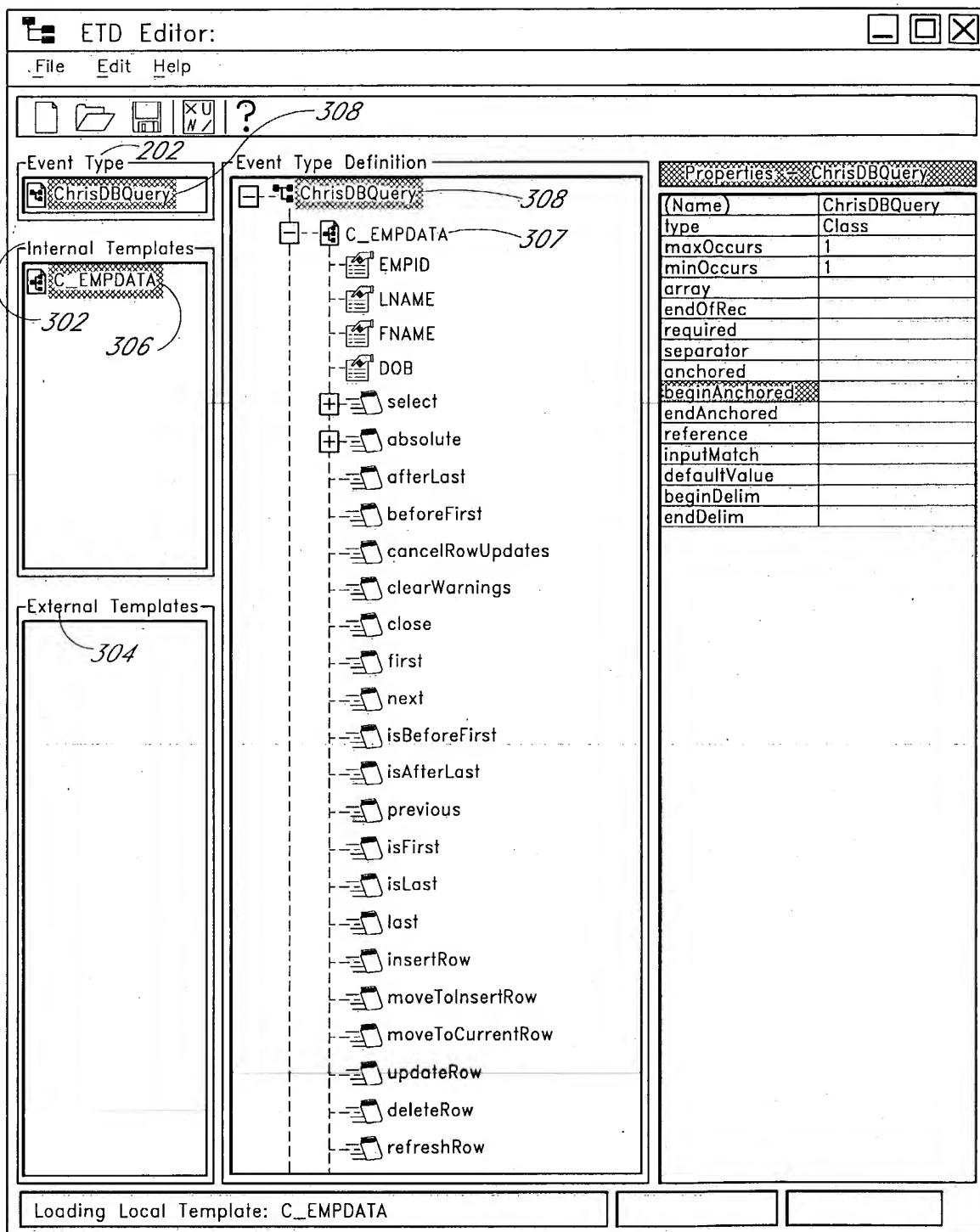


FIG. 3

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FIG. 4A
FIG. 4B

400

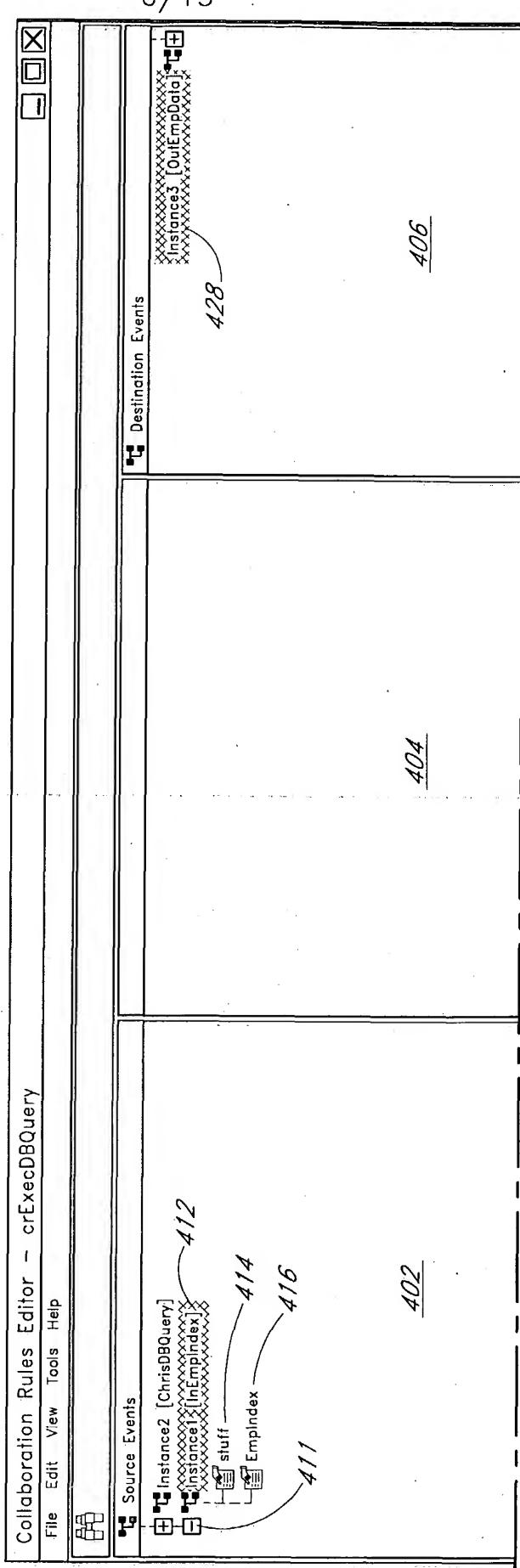


FIG. 4A

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The image shows a software interface with several code snippets and annotations:

- Business Rules:**

```
block method var for if rule switch case do return ! throw try
! catch
```
- Properties:**

Return Properties	420
Description:	return
Result:	refBoolean
- Annotations:**
 - Annotations like 422, 424, 430, 438, 426, 408, and 418 are scattered throughout the code and properties sections.
 - A large annotation "410" is located on the right side of the interface.
- Code Snippets:**

```
crExecDBQuery ; public class crExecDBQuery extends crExecDBQueryBase implements JCollaborator
{
    crExecDBQuery : public crExecDBQuery()
    {
        rule : super();
    }

    executeBusinessRules : public boolean executeBusinessRules() throws Exception
    {
        retBoolean : boolean retBoolean = true;
        rule : System.out.println("7777 started Business Rules");
        rule : getinstance2().getC_EMPDATA().select("empid='"+getInstance1().getEmpIndex());
        while (getinstance2().getC_EMPDATA().next())
        {
            rule : getInstance3().setIDNumber(getinstance2().getC_EMPDATA().getEMPID());
            rule : getInstance3().setLastName(getinstance2().getC_EMPDATA().getLNAME());
            rule : getInstance3().setFirstName(getinstance2().getC_EMPDATA().getFNAME());
            rule : getInstance3().setBirthDate(getinstance2().getC_EMPDATA().getDOB());
            rule : getInstance3().setBirthDate(getinstance2().getC_EMPDATA().getDOB());
            return retBoolean;
        }
    }

    userInitialize : public void userInitialize()
    {
        userTerminate : public void userTerminate()
    }
}
```

FIG. 4B

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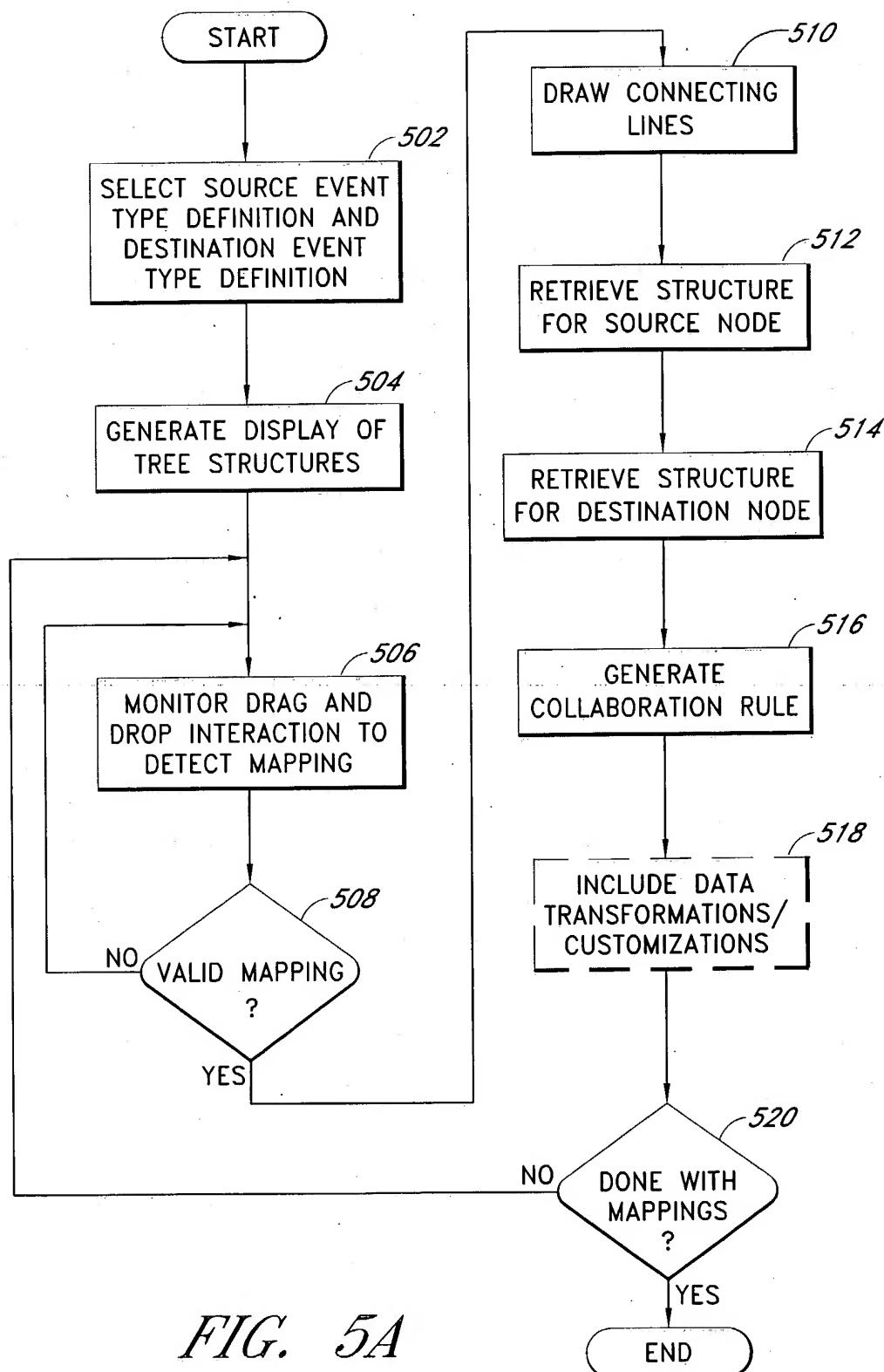


FIG. 5A

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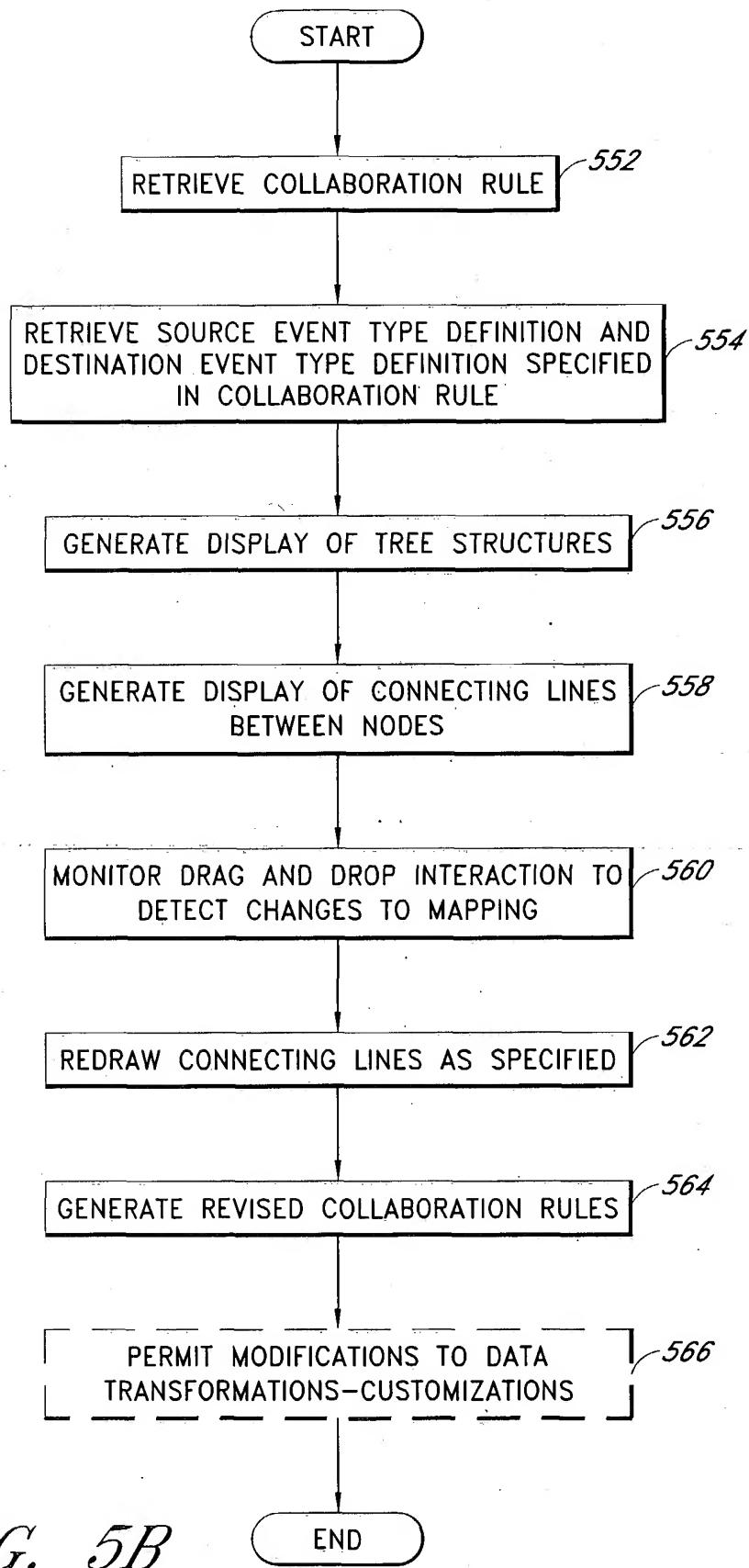


FIG. 5B

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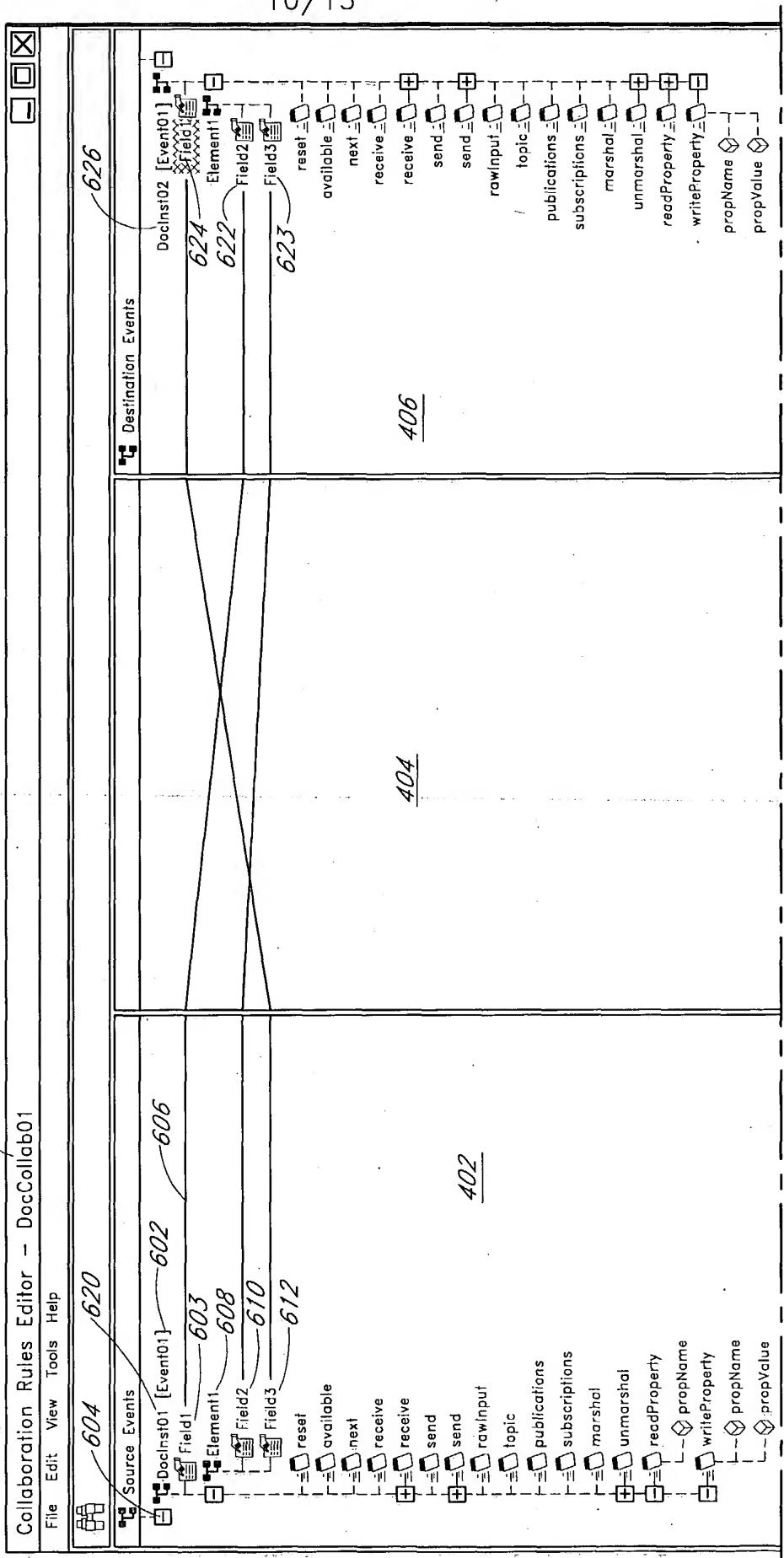
FIG. 6A
FIG. 6B

FIG. 6

600

FIG. 6A

628



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```

Business Rules
DocCollab01 : public class DocCollab01 extends DocCollab01Base implements
    DocCollab01 ; Public DocCollab01()
    rule : super();
executeBusinessRules : public boolean executeBusinessRules() throws Exception
    refBoolean : boolean refBoolean = true; 616
    rule : getDocInst02().setElement1().setField1(); 617
    rule : getDocInst01().getField1(); 618
    rule : getDocInst02().getElement1().setField1(); getDocInst01().getElement1()
    rule : getDocInst02().setField1(); getDocInst01().getElement1()
    return : return refBoolean;
userInitialize : public void userInitialize()
userTerminate : public void userTerminate()

```

408

410

Rule Properties

Description: rule

Rule:

getDocInst02().setField1
(getDocInst01().getElement1()
(getField3())

Documentation:

FIG. 6B

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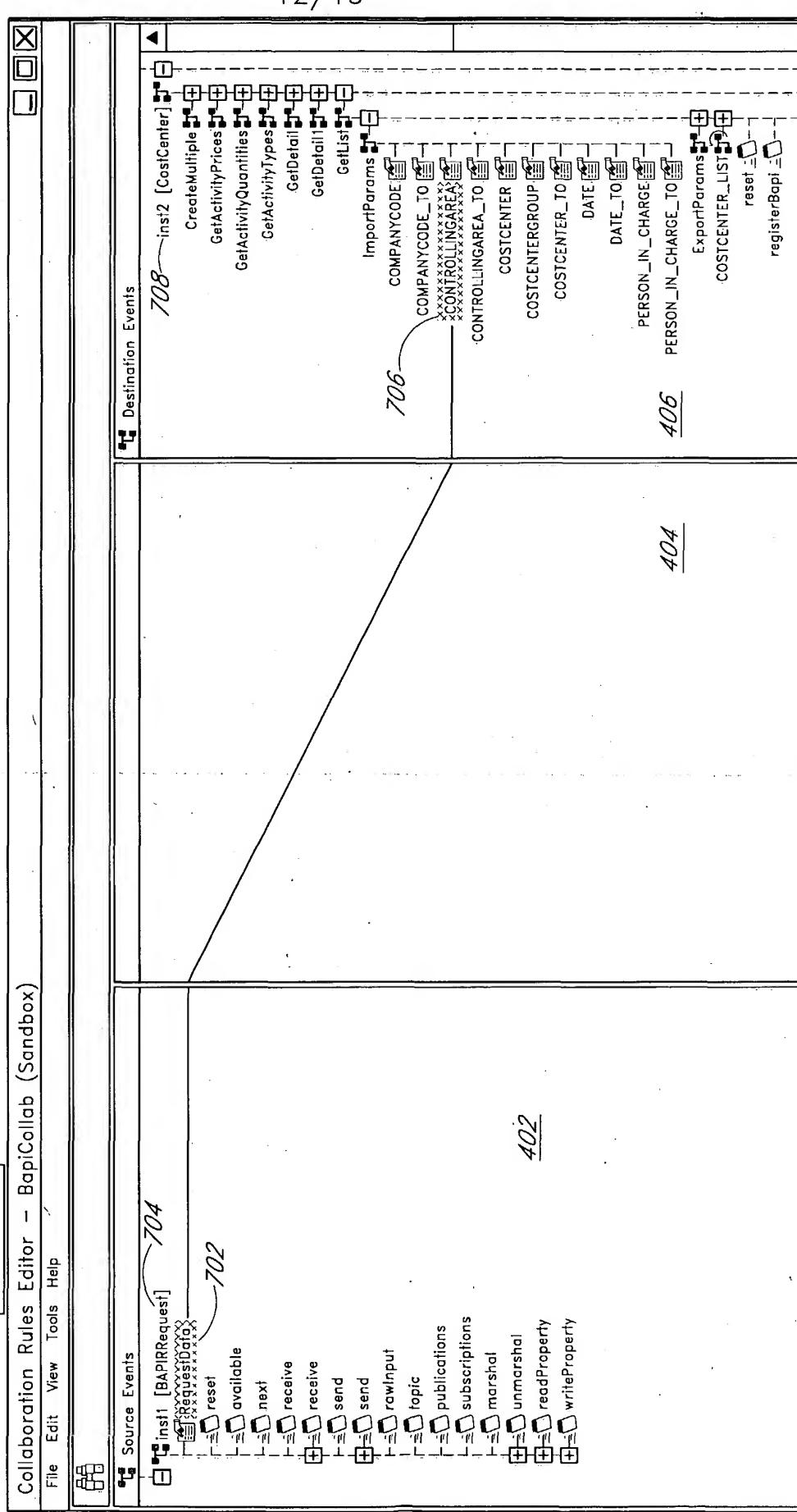


FIG. 7A

FIG. 2B

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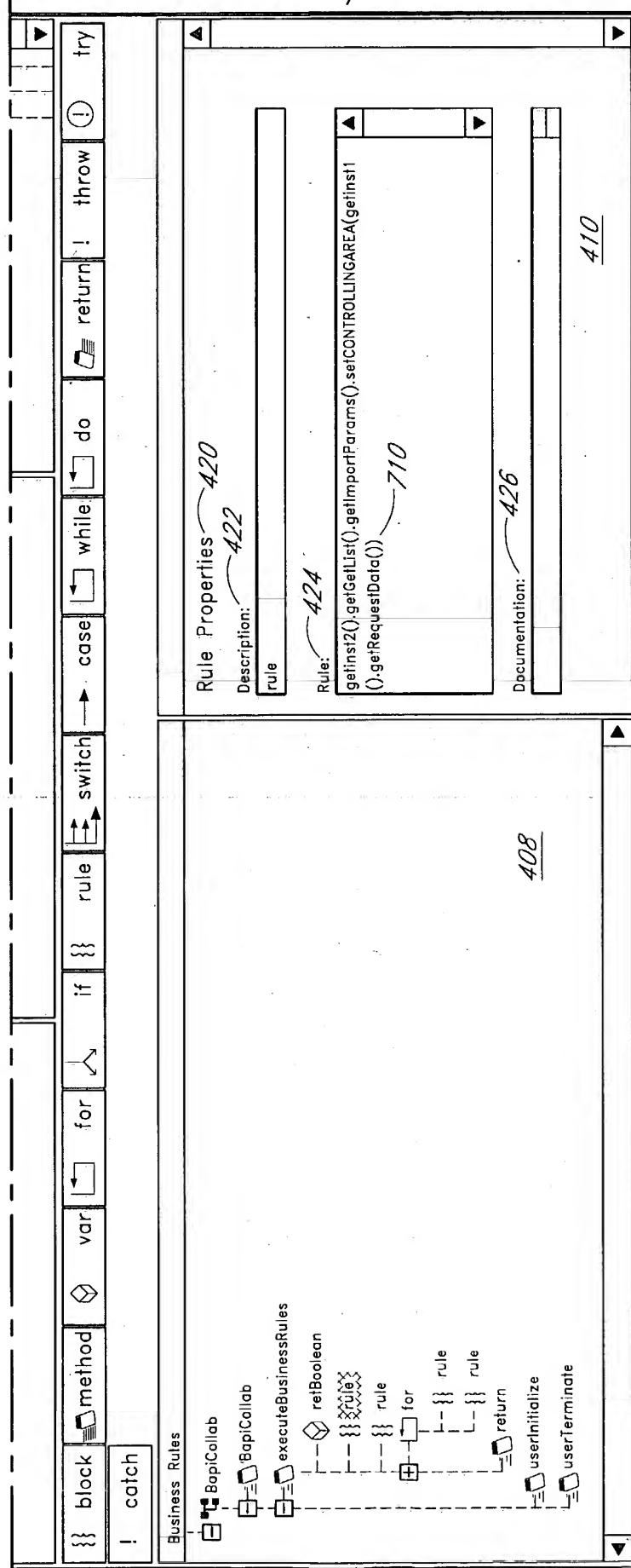


FIG. 7B

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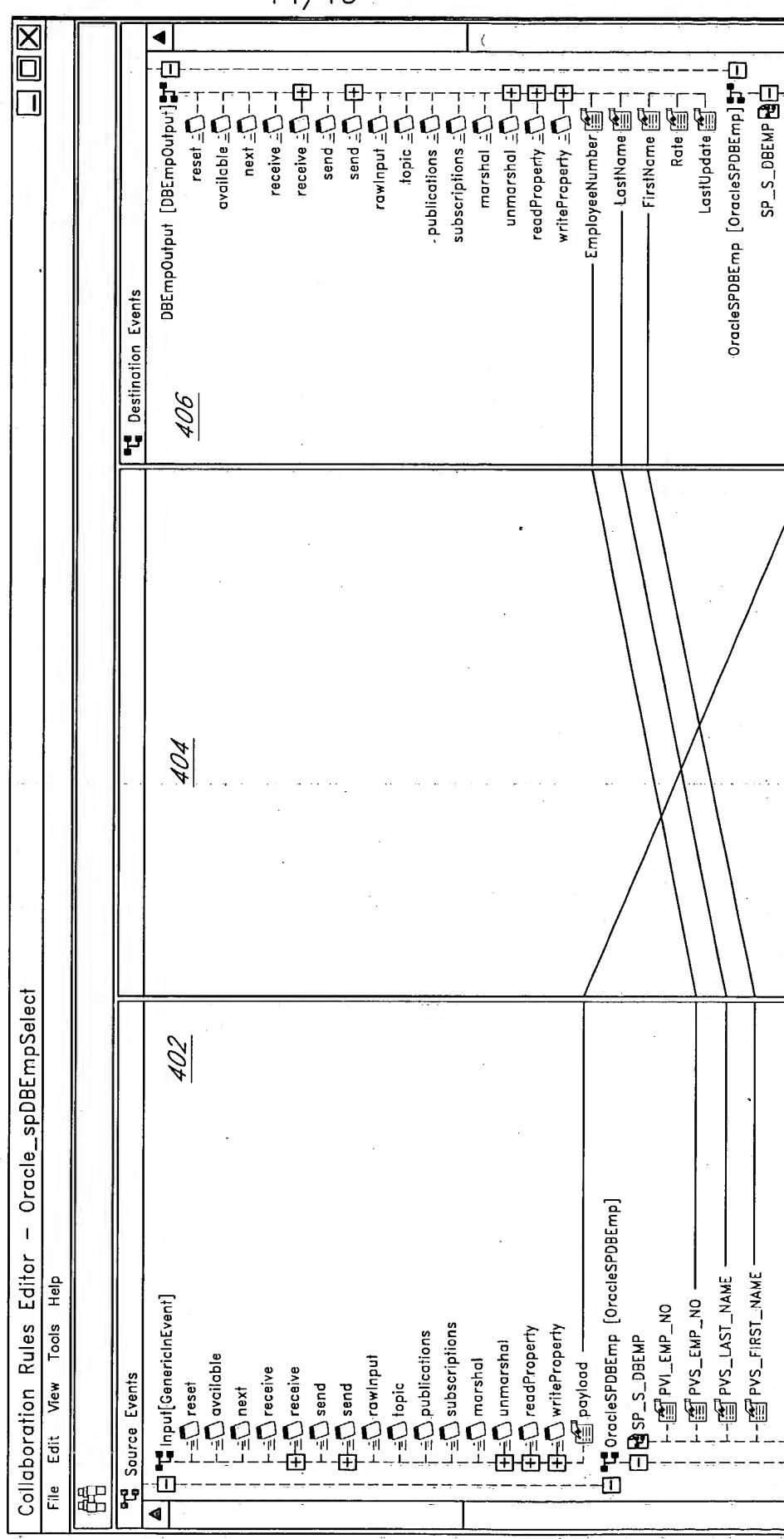


FIG. 8A

FIG. 8B

FIG. 8A

800

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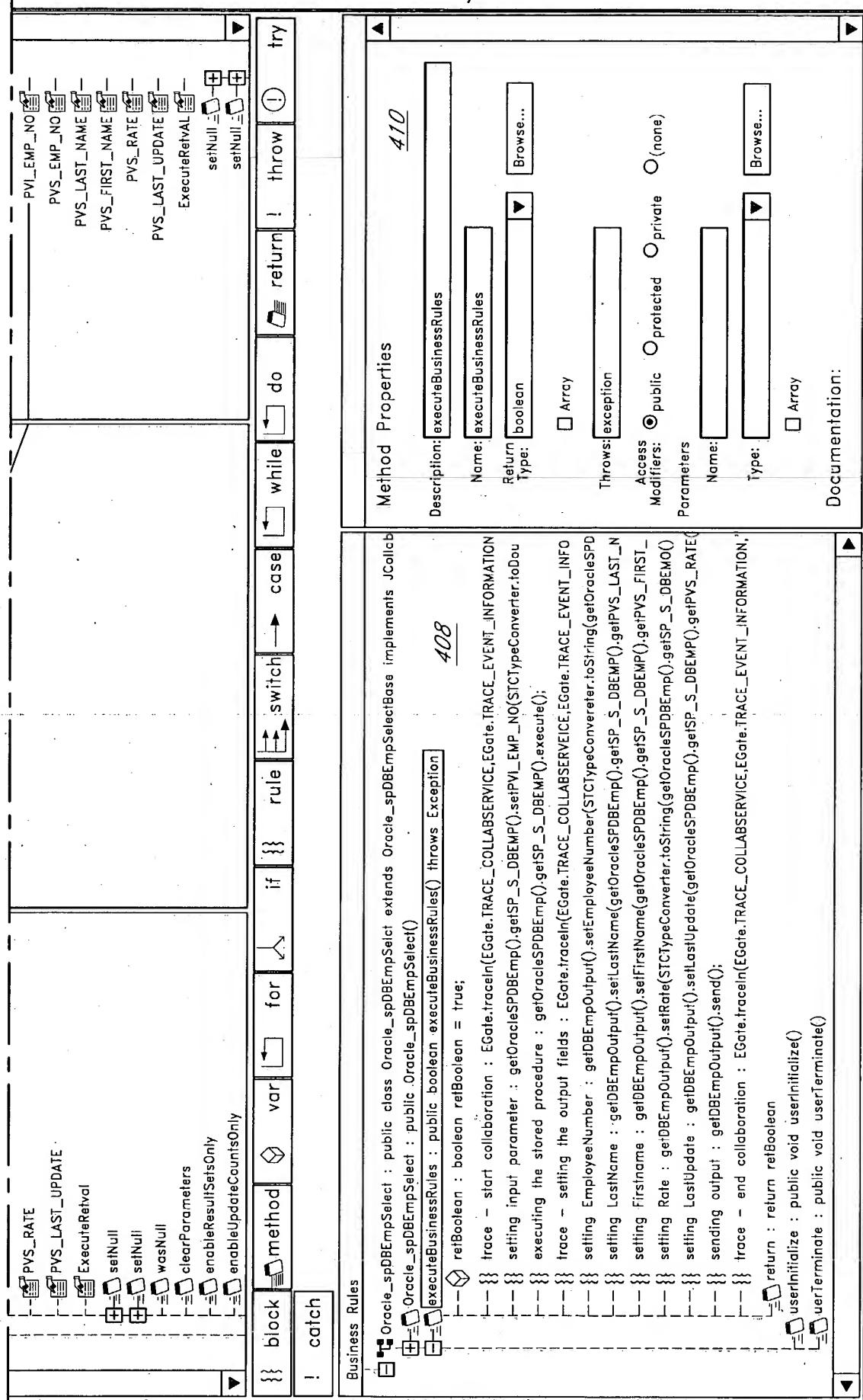


FIG. 8B